

*AMENDMENTS TO THE SPECIFICATION*

Replace the paragraph beginning at page 1, line 11 with:

According to an aspect of the invention, a method of producing an oil including docosahexaenoic acid (DHA) with a strain of *Cryptothecodium cohnii* comprises culturing a strain of *Cryptothecodium cohnii* in a nutrient medium containing a compound selected from the group consisting of acetic acid ~~and/or and~~ acetate ions, the *Cryptothecodium cohnii* consuming the acetic acid or acetate ions as the primary carbon source to synthesize DHA, wherein the culturing process parameters are controlled in a manner that results in the absence of a stationary phase during the culturing process. ~~The acetic acid and/or acetate ions comprise the primary carbon source consumed by the~~ *Cryptothecodium cohnii* ~~to synthesize the DHA~~. The method also includes recovering oil ~~including~~ including DHA from the strain of *Cryptothecodium cohnii*.